

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/541,953
Source: IFWO
Date Processed by STIC: 6/30/2006

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 06/30/2006

PATENT APPLICATION: US/10/541,953

TIME: 10:52:31

Input Set : N:\Cr3f3\RULE60\10541953.raw

Output Set: N:\CRF4\06302006\J541953.raw

```

1 <110> APPLICANT: Georgia Tech Research Corporation
2      Jo, Hanjoong
3 <120> TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS AND METHODS OF THEIR USE
4 <130> FILE REFERENCE: 820701-1025
5 <140> CURRENT APPLICATION NUMBER: US 10/541,953
6 <141> CURRENT FILING DATE: 2005-07-12
7 <150> PRIOR APPLICATION NUMBER: PCT/US04/00759
8 <151> PRIOR FILING DATE: 2004-01-13
9 <150> PRIOR APPLICATION NUMBER: US 60/439,667
10 <151> PRIOR FILING DATE: 2003-01-13
11 <160> NUMBER OF SEQ ID NOS: 16
12 <170> SOFTWARE: PatentIn version 3.2
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 3547
16 <212> TYPE: DNA
17 <213> ORGANISM: homo sapiens
18 <400> SEQUENCE: 1
19      cccgggtcag cgcccgcccg cccgcgctcc tcccggccgc tctcccgcc ccgcccggcc 60
20      cggcgccgac tctgcggccg cccgacgagc ccctcgccgc actgcccccg ccccgccccc 120
21      ggccccggcc ccctcccgcc gcaccgcccc cggccccggc ctccgcccctc cgcactcccc 180
22      cctccctccc tccgcccget cccgcgccct cctccctccc tctcccccag ctgtcccgtt 240
23      cgcgtcatgc cgagcctccc ggccccgcgg gccccgctgc tgctcctcgg gctgctgctg 300
24      ctgggtctcc ggccggcccg cggcgccggc ccagagcccc ccgtgctgcc catccgttct 360
25      gagaaggagc cgctgcccgt tcggggagcg gcaggctgca cttcggcgg gaaggtctat 420
26      gccttgagcg agacgtggca cccggacctc ggggagccat tcgggggtgat gcgctgcgtg 480
27      ctgtgcgcct gcgaggcgcc tcagtggggt cgccgtacca ggggcccctg cagggtcagc 540
28      tgcaagaaca tcaaaccaga gtgcccaccc ccggcctgtg ggcagcccg ccagctgccg 600
29      ggacactgct gccagacctg ccccaggag cgcagcagtt cggagcggca gccgagcggc 660
30      ctgtccttcg agtatccgcg ggacccgag catcgagtt atagcgaccg cggggagcca 720
31      ggcgctgagg agcgggcccc tggtagcggc cacacggact tcgtggcgct gctgacaggg 780
32      ccgaggtcgc aggcgggtggc acgagccga gtctcgctgc tgcgctctag cctccgcttc 840
33      tctatctcct acaggcggtt ggaccgccc accaggatcc gcttctcaga ctccaatggc 900
34      agtgtcctgt ttgagcacc tgcagcccc acccaagatg gcctggctctg tgggggtgtg 960
35      cgggcagtgc ctcggttgct tctgcggctc cttagggcag aacagctgca tgtggcactt 1020
36      gtgacactca ctcacccttc aggggaggtc tgggggcctc tcatccggca ccgggcccctg 1080
37      gctgcagaga ccttcagtgc catcctgact ctagaaggcc cccacagca gggcgtaggg 1140
38      ggcacacccc tgctcactct cagtgcacac gaggactcct tgcatttttt gctgctcttc 1200
39      cgagggtcgc tggaaaccag gagtggggga ctaaccagg ttcccttgag gctccagatt 1260
40      ctacaccagg ggcagctact gcgagaactt caggccaatg tctcagccca ggaaccaggc 1320
41      tttgctgagg tgctgcccc cctgacagtc caggagatgg actggctggt gctgggggag 1380
42      ctgcagatgg ccctggagtg ggcaggcagg ccagggtctg gcatcagtgg acacattgct 1440
43      gccaggaaga gctgcgacgt cctgcaaagt gtcctttgtg gggctgatgc cctgatccca 1500
44      gtccagacgg gtgctgccgg ctacgccagc ctcacgctgc taggaaatgg ctccctgatc 1560

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/541,953

DATE: 06/30/2006

TIME: 10:52:31

Input Set : N:\Crf3\RULE60\10541953.raw

Output Set: N:\CRF4\06302006\J541953.raw

45	tatcaggtgc	aagtggtagg	gacaagcagt	gaggtggtgg	ccatgacact	ggagaccaag	1620
46	cctcagcgga	gggatcagcg	cactgtcctg	tgccacatgg	ctggactcca	gccaggagga	1680
47	cacacggccg	tgggtatctg	ccctgggctg	ggtgcccag	gggctcatat	gctgctgcag	1740
48	aatgagctct	tcctgaacgt	gggcaccaag	gacttcccag	acggagagct	tcgggggcac	1800
49	gtggctgccc	tgccctactg	tgggcatagc	gcccggccatg	acacgctgcc	cgtgccccta	1860
50	gcaggagccc	tgggtgtacc	ccctgtgaag	agccaagcag	cagggcacgc	ctggctttcc	1920
51	ttggataccc	actgtcacct	gcactatgaa	gtgctgctgg	ctgggcttgg	tggtcagaa	1980
52	caaggcactg	tcactgccc	cctccttggg	cctcctggaa	cgccagggcc	tcggcggtg	2040
53	ctgaagggat	tctatggctc	agaggcccag	ggtgtggtga	aggacctgga	gccggaactg	2100
54	ctgcggcacc	tggcaaaagg	catggcctcc	ctgatgatca	ccaccaaggg	tagccccaga	2160
55	ggggagctcc	gagggcaggt	gcacatagcc	aaccaatgtg	aggttggcgg	actgcgcctg	2220
56	gaggcgcccg	gggcccaggg	ggtgcggggc	ctgggggctc	cggatacagc	ctctgctgcg	2280
57	ccgcctgtgg	tgccctggtc	cccgccccta	gcgcccgcga	aacctggtgg	tcctgggcgg	2340
58	ccccgagacc	ccaacacatg	cttcttcgag	gggcagcagc	gccccacagg	ggctcgctgg	2400
59	gcgcccact	acgaccgcct	ctgctcactc	tgacactgcc	agagacgaac	ggtgatctgt	2460
60	gaccgggtgg	tgtgcccacc	gcccagctgc	ccacaccggg	tgacggctcc	cgaccagtgc	2520
61	tgccctgttt	gccttgagaa	acaagatgtc	agagacttgc	cagggtgcc	aaggagccgg	2580
62	gaccaggag	agggctgcta	ttttgatggg	gaccggagct	ggcgggcagc	gggtacgcgg	2640
63	tggcaccccg	ttgtgcccc	ctttggctta	attaagtgtg	ctgtctgcac	ctgcaagggg	2700
64	ggcactggag	aggtgcactg	tgagaagggt	cagtgtcccc	ggctggcctg	tgcccagcct	2760
65	gtgcgtgtca	acccaccga	ctgctgcaaa	cagtgtccag	tggggtcggg	ggccaccccc	2820
66	cagctggggg	accccatgca	ggctgatggg	ccccggggct	gccgttttgc	tgggcagtgg	2880
67	ttcccagaga	gtcagagctg	gcacccctca	gtgccccctt	ttggagagat	gagctgtatc	2940
68	acctgcagat	gtggggcagg	ggtgcctcac	tgtgagcggg	atgactgttc	actgccactg	3000
69	tcctgtggct	cggggaagga	gagtcgatgc	tgttcccgtc	gcacggccca	ccggcgccca	3060
70	gccccagaga	ccagaactga	tccagagctg	gagaaagaag	ccgaaggctc	ttagggagca	3120
71	gccagagggc	caagtgacca	agaggatggg	gcctgagctg	gggaaggggt	ggcatcgagg	3180
72	accttcttgc	atttctctgt	gggaagccca	gtgcctttgc	tcctctgtcc	tgccctact	3240
73	cccaccccca	ctacctctgg	gaaccacagc	tccacaaggg	ggagaggcag	ctgggccaga	3300
74	ccgaggtcac	agccactcca	agtccctgcc	tgccaccctc	ggcctctgtc	ctggaagccc	3360
75	cacccctttc	ctcctgtaca	taatgtcact	ggcttgttgg	gatttttaat	ttatcttcac	3420
76	tcagcaccaa	gggccccga	cactccactc	ctgctgcccc	tgagctgagc	agagtcatca	3480
77	ttggagagtt	ttgtatttat	taaaacatct	cttttctcagt	caaaaaaaaa	aaaaaaaaaa	3540
78	aaaaaaaa						3547
80	<210>	SEQ ID NO: 2					
81	<211>	LENGTH: 3561					
82	<212>	TYPE: DNA					
83	<213>	ORGANISM: homo sapiens					
84	<400>	SEQUENCE: 2					
85	cccgggctcag	cgcccgcggc	cccgcgctcc	tcccggccgc	tcctcccgc	ccgcccggcc	60
86	cggcgccgac	tctgcggccg	ccgcagcagc	ccctcgccgg	actgccccgg	ccccggcccc	120
87	ggccccggcc	ccctcccgc	gcacgcggcc	cggcccggcc	ctccgcccct	cgcactcccg	180
88	cctccctccc	tccgcccgt	cccgcgccct	cctccctccc	tcctccccag	ctgtcccgtt	240
89	cgcgtcatgc	cgagcctccc	ggccccgcgg	gccccgctgc	tgtcctcggg	gctgctgctg	300
90	ctcggtctcc	ggcggccgg	cggcgccggc	ccagagcccc	ccgtgctgcc	catccgttct	360
91	gagaaggagc	cgctgcccgt	tgggggagcg	gcaggctgca	ccttcggcgg	gaaggtctat	420
92	gccttggacg	agacgtggca	ccgggacctc	ggggagccat	tgggggtgat	gcgctgcgtg	480
93	ctgtgcgctc	gcgagggcag	agggaccttg	aggcccagag	agatgaagta	gcttgtctag	540
94	ggtcacgcag	cttccctcagt	ggggctcgccg	taccaggggc	cctggcaggg	tcagctgcaa	600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/541,953

DATE: 06/30/2006

TIME: 10:52:31

Input Set : N:\Crf3\RULE60\10541953.raw

Output Set: N:\CRF4\06302006\J541953.raw

95	gaacatcaaa ccagagtgcc caaccccggc ctgtgggcag ccgcgccagc tgccgggaca	660
96	ctgctgccag acctgcccc aggagcgcag cagttcggag cggcagccga gggcctgtc	720
97	cttcgagtat ccgcgggacc cggagcatcg cagttatagc gaccgcgggg agccaggcgc	780
98	tgaggagcgg gcccggtggtg acggccacac ggacttcgtg gcgctgctga cagggccgag	840
99	gtcgcaggcg gtggcacgag cccgagtctc gctgctgcgc tctagcctcc gcttctctat	900
100	ctcctacagg cggctggacc gccctaccag gatecgcttc tcagactcca atggcagtgt	960
101	cctgtttgag caccctgcag cccccacca agatggcctg gtctgtgggg tgtggcgggc	1020
102	agtgcctcgg ttgtctctgc ggctccttag ggcagaacag ctgcatgtgg cacttgtgac	1080
103	actcactcac ccttcagggg aggtctgggg gcctctcatc cggcaccggg ccctggctgc	1140
104	agagaccttc agtgccatcc tgactctaga agggccccc cagcagggcg tagggggcat	1200
105	caccctgctc actctcagtg acacagagga ctccctgcat tttttgctgc tcttccgagg	1260
106	gctgctggaa cccaggagtg gggattctac accaggggca gctactgcca gaacttcagg	1320
107	ccaatgtctc agcccaggaa ccaggctttg ctgaggtgct gcccaacctg acagtccagg	1380
108	agatggactg gctggtgctg ggggagctgc agatggccct ggagtgggca ggcaggccag	1440
109	ggctgcgcac cagtggacac attgctgcca ggaagagctg cgacgtcctg caaagtgtcc	1500
110	tttgtggggc tgatgcctg atcccagtc agacgggtgc tgccggctca gccagcctca	1560
111	cgctgctagg aaatggctcc ctgactctatc aggtgcaagt ggtagggaca agcagtgagg	1620
112	tggtggccat gacactggag accaagcctc agcggaggga tcagcgcaact gtcctgtgcc	1680
113	acatggctgg actccagcca ggaggacaca cggcctgggg tatctgccct gggctgggtg	1740
114	cccagggggc tcatatgctg ctgcagaatg agctcttctt gaacgtgggc accaaggact	1800
115	tcccagacgg agagcttcgg gggcacgtgg ctgccctgcc ctactgtggg catagcgccc	1860
116	gccatgacac gctgcccggt cccctagcag gagccctggt gctacccctt gtgaagagcc	1920
117	aagcagcagg gcacgcctgg ctttcccttg ataccactg tcacctgcac tatgaagtgc	1980
118	tgctggctgg gcttgggtgg tcagaacaag gcaactgtcac tgcccacctc cttgggcctc	2040
119	ctggaacgcc agggcctcgg cggctgctga agggattcta tggctcagag gccagggtg	2100
120	tggtgaagga cctggagccg gaactgctgc ggcacctggc aaaaggcatg gcctccctga	2160
121	tgatcaccac caagggtagc cccagagggg agctccgagg gcaggtgcac atagccaacc	2220
122	aatgtgaggt tggcggactg cgctggagg cggccggggc cgaggggggtg cgggcgctgg	2280
123	gggtccgga tacagcctct gctgcgcgcg ctgtggtgcc tgggtctccc gccctagcgc	2340
124	ccgcaaacc tggtggtcct gggcggcccc gagacccaa cacatgcttc ttcgaggggc	2400
125	agcagcgcgc ccacggggct cgctgggcgc ccaactacga cccgctctgc tcaactctga	2460
126	cctgccagag acgaacgggt atctgtgacc cgggtggtgtg cccaccgccc agctgcccac	2520
127	accgggtgca ggctcccagc cagtgtgcgc ctggttgccc tgagaaacaa gatgtcagag	2580
128	acttgccagg gctgccaagg agccgggacc caggagaggg ctgctatttt gatggtgacc	2640
129	ggagctggcg ggcagcgggt acgcggtggc acccggttgt gccccctttt ggcttaatta	2700
130	agtgtgctgt ctgcacctgc aaggggggca ctggagaggt gcactgtgag aaggtgcagt	2760
131	gtccccggct ggctgtgcc cagcctgtgc gtgtcaacct caccgactgc tgcaaacagt	2820
132	gtccagtggg gtccggggcc ccccccagc tgggggacct catgcaggct gatgggcccc	2880
133	ggggctgccc ttttgctggg cagtggttcc cagagagtca gagctggcac ccctcagtgc	2940
134	cccccttttg agagatgagc tgtatcacct gcagatgtgg ggcaggggtg cctcactgtg	3000
135	agcgggatga ctgttcaact ccactgtcct gtggctcggg gaaggagagt cgatgtgtt	3060
136	cccgtgcac ggcccaccgg cggccagccc cagagaccag aactgatcca gagctggaga	3120
137	aagaagccga aggtctctag ggagcagcca gagggccaag tgaccaagag gatggggcct	3180
138	gagctgggga aggggtggca tcgaggacct tcttgcatte tctgtggga agcccagtgc	3240
139	ctttgtcct ctgtcctgcc tctactccca cccccactac ctctgggaac cacagctcca	3300
140	caagggggag aggcagctgg gccagaccga ggtcacagcc actccaagtc ctgccctgcc	3360
141	accctcggcc tctgtcctgg aagccccacc cctttcctcc tgtacataat gtcactggct	3420
142	tgttgggatt tttaatttat cttcactcag caccaagggc ccccgacact ccactcctgc	3480
143	tgcccctgag ctgagcagag tcattattgg agagttttgt atttattaaa acatttcttt	3540

RAW SEQUENCE LISTING

DATE: 06/30/2006

PATENT APPLICATION: US/10/541,953

TIME: 10:52:31

Input Set : N:\Crf3\RULE60\10541953.raw

Output Set: N:\CRF4\06302006\J541953.raw

```

144      ttcagtcaaa aaaaaaaaaa a                               3561
146 <210> SEQ ID NO: 3
147 <211> LENGTH: 3506
148 <212> TYPE: DNA
149 <213> ORGANISM: homos sapiens
150 <400> SEQUENCE: 3
151      cccgggtcag cgcccccccg cccgcgctcc tcccggccgc tctctccgcc ccgccccggcc      60
152      cggcgccgac tctgcgcccg cccgacgagc ccctcgccgc actgccccgg ccccgccccc      120
153      ggccccggcc ccctcccgcc gcaccgcccc cggccccggc ctccgcccctc cgcactcccg      180
154      cctccctccc tccgcccgtc cccgcgcccct cctccctccc tctctcccag ctgtcccgtt      240
155      cgcgtcatgc cgagcctccc ggccccgcgg gccccgctgc tgcctcctcg gctgctgctg      300
156      ctcggctccc ggccggcccg cggcgccggc ccagagcccc ccgtgctgcc catccgttct      360
157      gagaaggagc cgctgcccgt tcggggagcg gcaggctgca ccttcggcgg gaaggtctat      420
158      gccttgagcg agacgtggca cccggacctc ggggagccat tcgggggtgat gcgctgctg      480
159      ctgtgcgctc gcgaggcgcc tcagtggggc cgccgtacca ggggcccctg cagggtcagc      540
160      tgcaagaaca tcaaaccaga gtgcccaacc ccggcctgtg ggcagcccg cagctgccc      600
161      ggacactgct gccagacctg cccccaggag cgcagcagtt cggagcggca gccgagcggc      660
162      ctgtccttcg agtatccgcg ggaccgagag catcgagtt atagcgaccg cggggagcca      720
163      ggcgctgagg agcgggcccc tgggtgacgg cacacggact tgcgtggcgt gctgacaggg      780
164      ccgaggtcgc aggcgggtgg acgagcccg gtctcgctgc tgcgtctag cctccgcttc      840
165      tctatctcct acaggcggtc ggaccgccc accaggatcc gcttctcaga ctccaatggc      900
166      agtgtcctgt ttgagcacc tgcagcccc acccaagatg gcctggtctg tggggtgtgg      960
167      cgggcagtg ctcggttgct tctgcggctc cttagggcag aacagctgca tgtggcactt      1020
168      gtgacactca ctacccttc aggggaggtc tgggggcctc tcatccggca ccgggcccctg      1080
169      gctgcagaga ccttcagtgc catcctgact ctagaaggcc cccacagca gggcgtaggg      1140
170      ggcacacccc tgctcactct cagtgcacac gaggactcct tgcatttttt gctgctcttc      1200
171      cgagggtcgc tggaaaccag gagtggggat tctacaccag gggcagctac tgcgagaact      1260
172      tcaggccaat gtctcagccc aggaaccagg ctttgcctgag gtgctgccc acctgacagt      1320
173      ccaggagatg gactggctgg tgctggggga gctgcagatg gccctggagt gggcaggcag      1380
174      gccagggtcg cgcacagtg gacacattgc tgccaggaag agctgcgacg tctgcaaag      1440
175      tgtcctttgt ggggctgatg ccctgatccc agtcagacg ggtgctgccg gctcagccag      1500
176      cctcacgctg ctaggaaatg gctccctgat ctatcaggtg caagtggtag ggacaagcag      1560
177      tgaggtggtg gccatgacac tggagaccaa gcctcagcgg agggatcagc gactgtcct      1620
178      gtgccacatg gctggactcc agccaggagg acacacggcc gtgggtatct gccctgggct      1680
179      ggggtgcccga ggggctcata tgctgctgca gaatgagctc ttcctgaacg tgggcaccaa      1740
180      ggacttccca gacggagagc ttccggggga cgtggctgcc ctgccctact gtgggcatag      1800
181      cgcccgccat gacacgctgc ccgtgcccct agcaggagcc ctggtgctac ccctgtgaa      1860
182      gagccaagca gcagggcag cctggctttc cttggatacc cactgtcacc tgcactatga      1920
183      agtgctgctg gctgggcttg gtggctcaga acaaggcact gtactgccc acctccttg      1980
184      gcctcctgga acgccagggc ctccggcggt gctgaaggga ttctatggct cagaggccca      2040
185      ggggtgtggtg aaggacctgg agccggaact gctgcggcac ctggcaaaag gcatggcctc      2100
186      cctgatgatc accaccaagg gtagccccag aggggagctc cgagggcagg tgcacatagc      2160
187      caaccaatgt gaggttggcg gactgcgcct ggaggcggcc ggggcccagg ggggtgcgggc      2220
188      gctgggggct ccgatacag cctctgctgc gccgcctgtg gtgcctggtc tcccggccct      2280
189      agcggccgcc aaacctggtg gtccctggcg gccccgagac cccaacacat gcttcttcga      2340
190      ggggcagcag cgccccacg gggctcgctg ggcccccac tacgaccgcg tctgctcact      2400
191      ctgcacctgc cagagacgaa cggtgatctg tgaccgggtg gtgtgcccac cgcccagctg      2460
192      cccacacccg gtgcaggctc ccgaccagtg ctgcctgtt tgccctgaga aacaagatgt      2520
193      cagagacttg ccagggtcgc caaggagccg ggaccaggga gagggctgct attttgatgg      2580

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/541,953

DATE: 06/30/2006

TIME: 10:52:31

Input Set : N:\Crf3\RULE60\10541953.raw

Output Set: N:\CRF4\06302006\J541953.raw

194	tgaccggagc	tgccggggcag	cgggtacgcg	gtggcacccc	gttgtgcccc	ccttttgctt	2640
195	aattaagtgt	gctgtctgca	cctgcaaggg	gggcactgga	gaggtgcact	gtgagaaggt	2700
196	gcagtgtccc	cggttgccct	gtgcccagcc	tgtgcgtgtc	aaccccaccg	actgctgcaa	2760
197	acagtgtcca	gtggggtcgg	gggcccaccc	ccagctgggg	gaccccatgc	aggtgatagg	2820
198	gccccggggc	tgcggttttg	ctgggcagtg	gttcccagag	agtcagagct	ggcacccctc	2880
199	agtgcacctt	tttgagagaga	tgaactgtat	cacctgcaga	tgtggggcag	gggtgcctca	2940
200	ctgtgagcgg	gatgactgtt	cactgccact	gtcctgtggc	tcggggaagg	agagtcgatg	3000
201	ctgttcccgc	tgcacggccc	accggcggcc	agccccagag	accagaactg	atccagagct	3060
202	ggagaaagaa	gccgaaggct	cttagggagc	agccagaggg	ccaagtgacc	aagaggatgg	3120
203	ggcctgagct	ggggaagggg	tggcatcgag	gaccttcttg	cattctcctg	tgggaagccc	3180
204	agtgcctttg	ctcctctgtc	ctgcctctac	tcccaccccc	actacctctg	ggaaccacag	3240
205	ctccacaagg	gggagaggca	gctggggccag	accgaggtca	cagccactcc	aagtccctgc	3300
206	ctgccaccct	cgccctctgt	cctggaagcc	ccaccccttt	cctcctgtac	ataatgtcac	3360
207	tggcttggtg	ggatttttaa	tttatcttca	ctcagcacca	agggcccccg	acactccact	3420
208	cctgctgccc	ctgagctgag	cagagtcatt	attggagagt	tttgtattta	ttaaaacatt	3480
209	tctttttcag	tcaaaaaaaaa	aaaaaa				3506
211	<210> SEQ ID NO: 4						
212	<211> LENGTH: 2488						
213	<212> TYPE: DNA						
214	<213> ORGANISM: homo sapiens						
215	<400> SEQUENCE: 4						
216	gacggagaag	gccagtgcct	aggttagtga	gcagtgcctg	gcgcccgcct	ccctcacctc	60
217	cttttccagc	ctttgcacag	cttgaagggt	ctgtcacctt	ttgcagtggg	ccaaatgaga	120
218	aaaaagtgga	aaatgggagg	catgaaatac	atcttttctg	tgttggtctt	tcttttgcta	180
219	gaaggaggca	aaacagagca	agtaaaacat	tcagagacat	attgcatgtt	tcaagacaag	240
220	aagtacagag	tggttgagag	atggcatcct	tacctggaac	cttatgggtt	ggtttactgc	300
221	gtgaactgca	tctgctcaga	gaatgggaat	gtgctttgca	gccgagtcag	atgtccaaat	360
222	gttcattgcc	tttctcctgt	gcatattcct	catctgtgct	gccctcgtcg	cccagactcc	420
223	ttacccccag	tgaacaataa	ggtgaccagc	aagtcttgcg	agtacaatgg	gacaacttac	480
224	caacatggag	agctgttctg	agctgaaggg	ctctttcaga	atcggaacc	caatcaatgc	540
225	acccagtgca	gctgttcgga	gggaaacgtg	tattgtgggc	tcaagacttg	ccccaaatta	600
226	acctgtgcct	tcccagtcct	tgttccagat	tctgtctgcc	gggtatgcag	aggagatgga	660
227	gaactgtcat	gggaacattc	tgatggtgat	atcttccggc	aacctgccaa	cagagaagca	720
228	agacattctt	accaccgctc	tcactatgat	cctccaccaa	gccgacaggc	tggaggtctg	780
229	tcccgccttc	ctggggccag	aagtcaccgg	ggagctctta	tggattccca	gcaagcatca	840
230	ggaaccattg	tgcaaattgt	catcaataac	aaacacaagc	atggacaagt	gtgtgtttcc	900
231	aatggaaaaga	cctattctca	tggcgagtc	tggcacccaa	acctccgggc	atttggcatt	960
232	gtggagtgtg	tgctatgtac	ttgtaatgtc	accaagcaag	agtgtaaaga	aatccactgc	1020
233	cccaatcgat	acctctgcaa	gtatcctcaa	aaaatagacg	gaaaatgctg	caagggtgtg	1080
234	ccaggtaaaa	aagcaaaaga	acttccaggc	caaagctttg	acaataaagg	ctacttctgc	1140
235	ggggaagaaa	cgatgcctgt	gtatgagctc	gtattcatgg	aggatgggga	gacaaccaga	1200
236	aaaatagcac	tggagactga	gagaccacct	caggtagagg	tccacgtttg	gactattcga	1260
237	aagggcattc	tccagcactt	ccatattgag	aagatctcca	agaggatgtt	tgaggagctt	1320
238	cctcacttca	agctgggtgac	cagaacaacc	ctgagccagt	ggaagatctt	caccgaagga	1380
239	gaagctcaga	tcagccagat	gtgttcaagt	cgtgtatgca	gaacagagct	tgaagattta	1440
240	gtcaaggttt	tgtacctgga	gagatctgaa	aagggccact	gttaggcaag	acagacagta	1500
241	ttggataggg	taaagcaaga	aaactcaagc	tgcagctgga	ctgcaggctt	attttgctta	1560
242	agtcaacagt	gccctaaaac	tccaaactca	aatgcagtca	attattcacg	ccatgcacag	1620
243	cataatttgc	tccttttgtg	ggagtgggtg	gtcagccctt	gaacatctcc	tccaaagaga	1680

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/541,953

DATE: 06/30/2006
TIME: 10:52:32

Input Set : N:\Crf3\RULE60\10541953.raw
Output Set: N:\CRF4\06302006\J541953.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 2,4,6,8,10,12,14
Seq#:7; Xaa Pos. 2,4,6,8,10,12,14,16
Seq#:8; Xaa Pos. 2,4,6,8,11,13,15,18
Seq#:9; Xaa Pos. 2,4,6,8,10,12,14,17
Seq#:10; Xaa Pos. 2,4,6,8,10,12,14,16,18

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:6,7,8,9,10,11,12,13,14,15,16

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/541,953

DATE: 06/30/2006

TIME: 10:52:32

Input Set : N:\Cr3\RULE60\10541953.raw

Output Set: N:\CRF4\06302006\J541953.raw

L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
M:341 Repeated in SeqNo=9
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
M:341 Repeated in SeqNo=10